

ACT NOW 2005

MediaSpace applications demonstration

> Network architecture

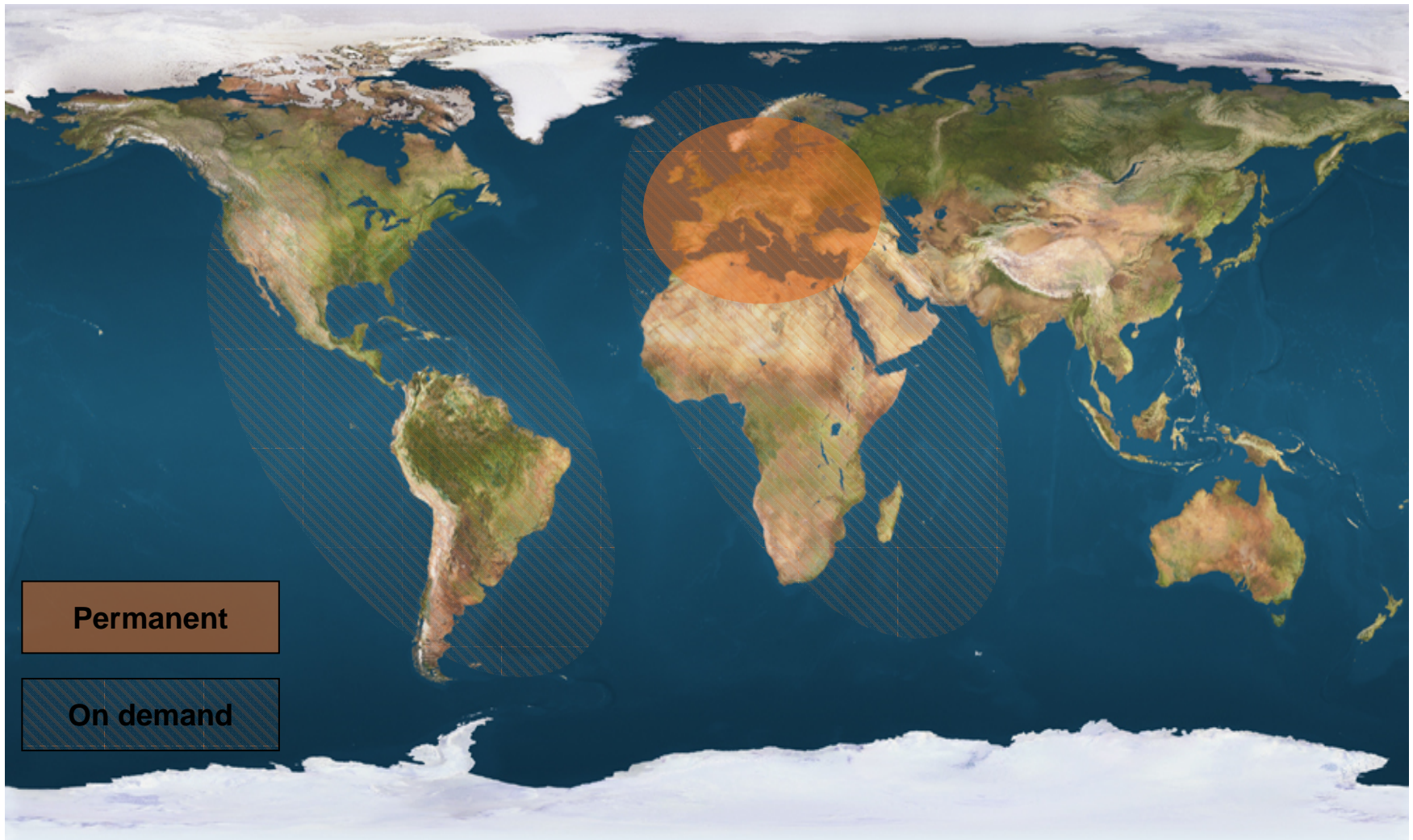
- The platform

> Applications

- Internet access (Fast Internet)
- Multicast files transfer (Multicast Push)
- Video streaming (based on Windows Media MPEG-4)
- Collaborative working (video / audio / application sharing)
- Video conferencing (based on H.323)
- Business TV (high quality live video streaming)

Network architecture

Network architecture – MediaSpace

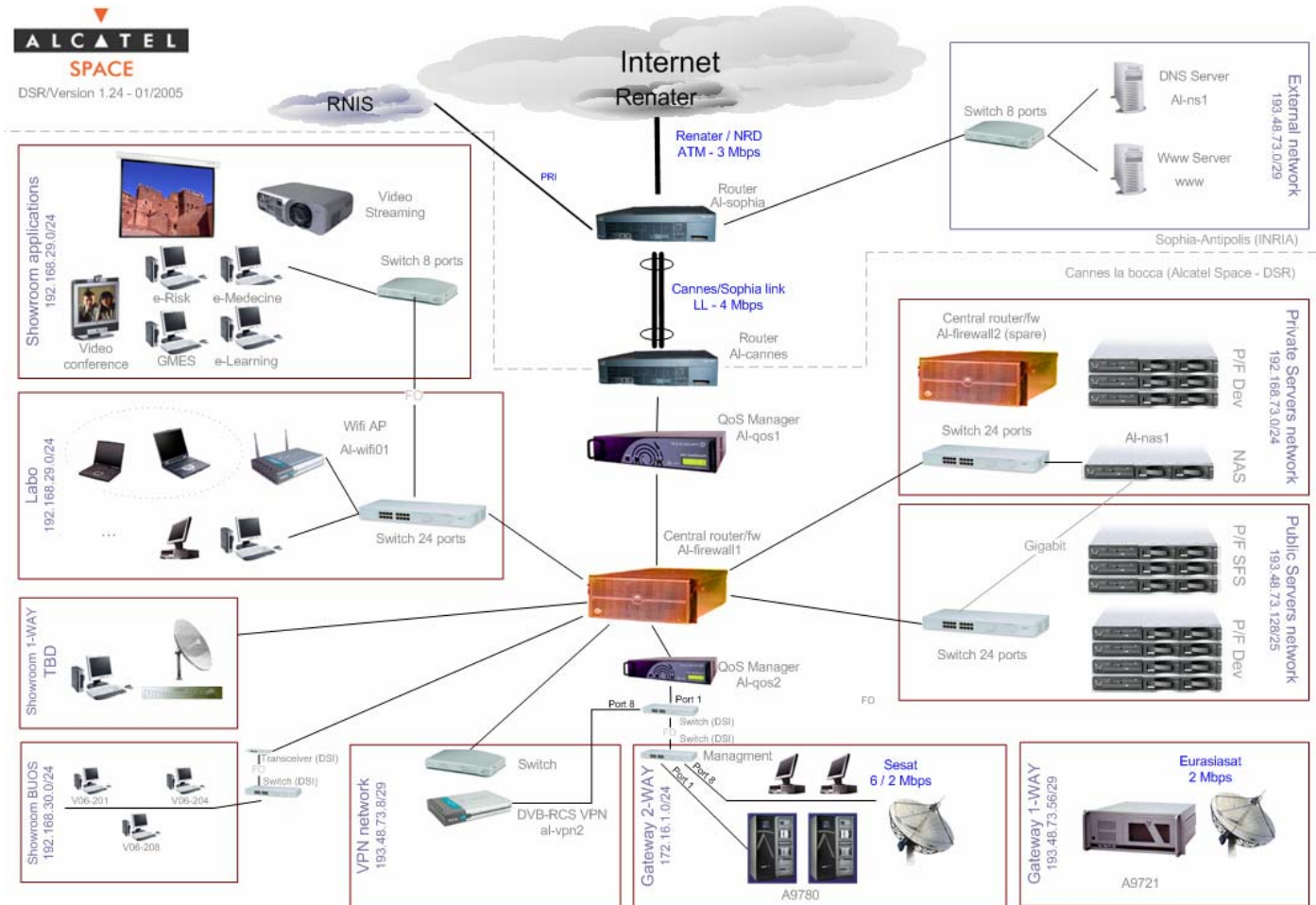


Permanent

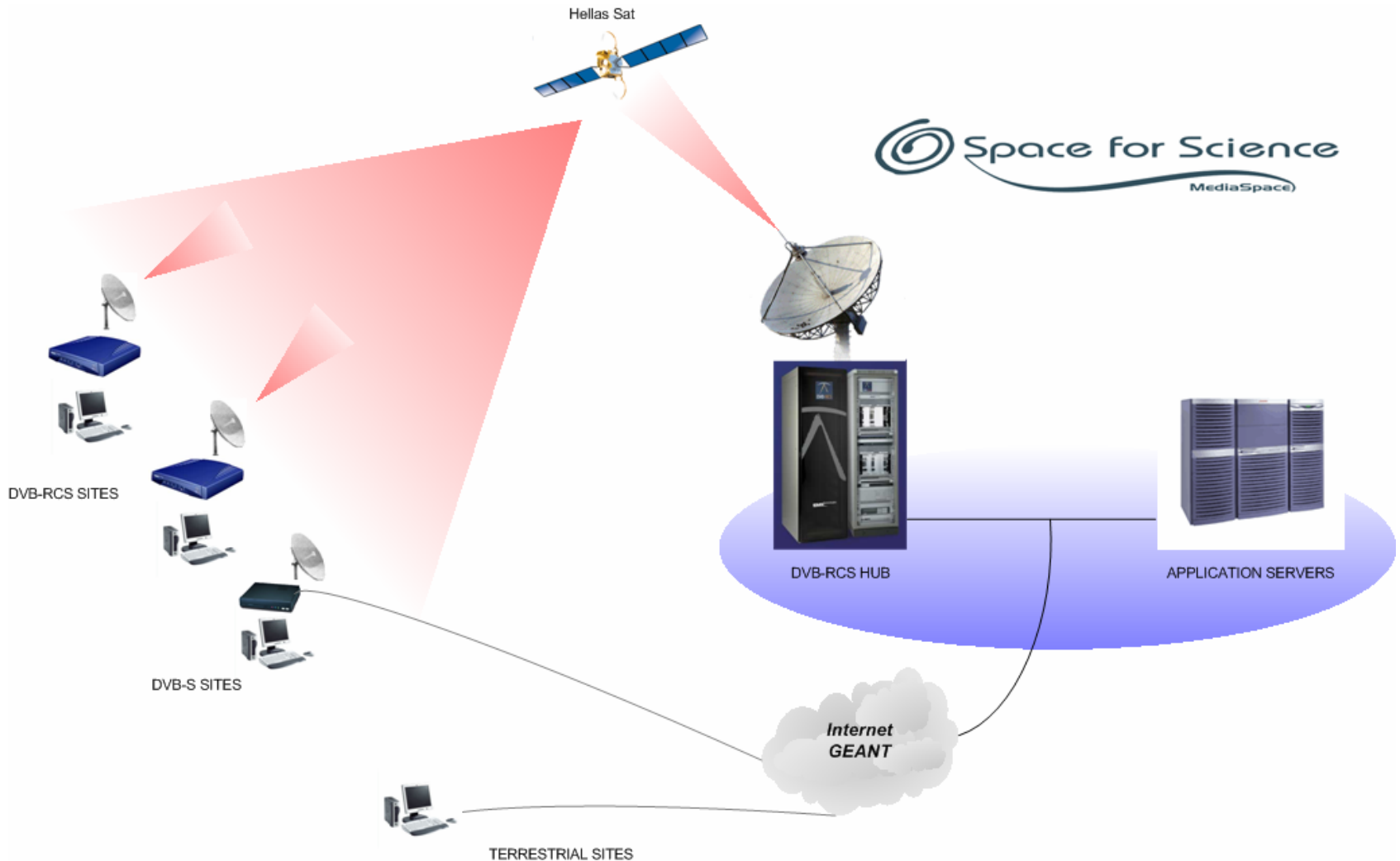
On demand

Network architecture – SFS Platform

> Zoom on the Space for Science platform hosted in Cannes:



Network architecture - Demonstration

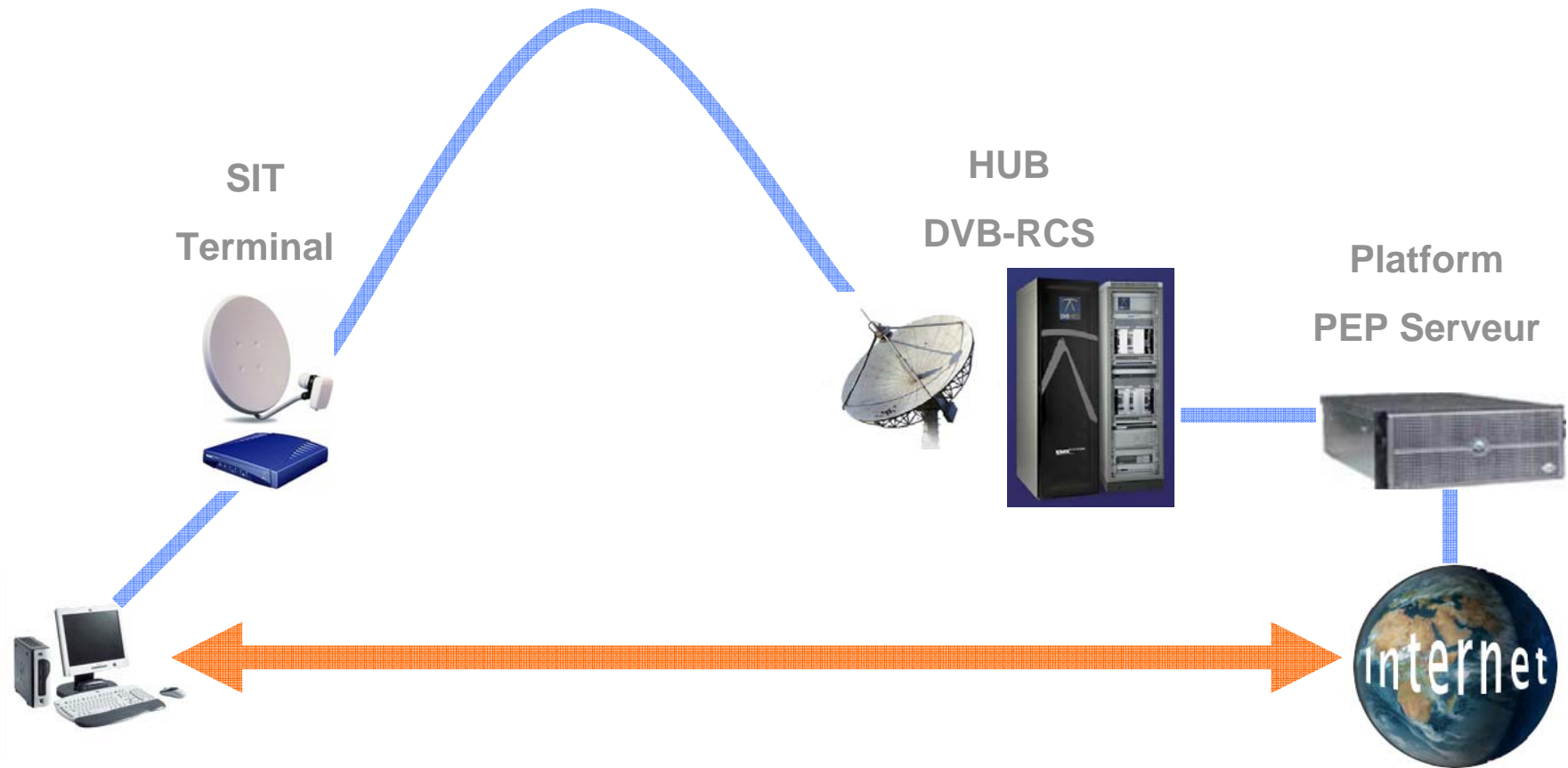


> Demonstration sites list:

- Act now (Marino / Italy)
- ESA/ESRIN (Frascati / Italy)
- ESA/ESTEC (Noorwijk / Netherland)
- Alcatel Space (Cannes / France)

Applications

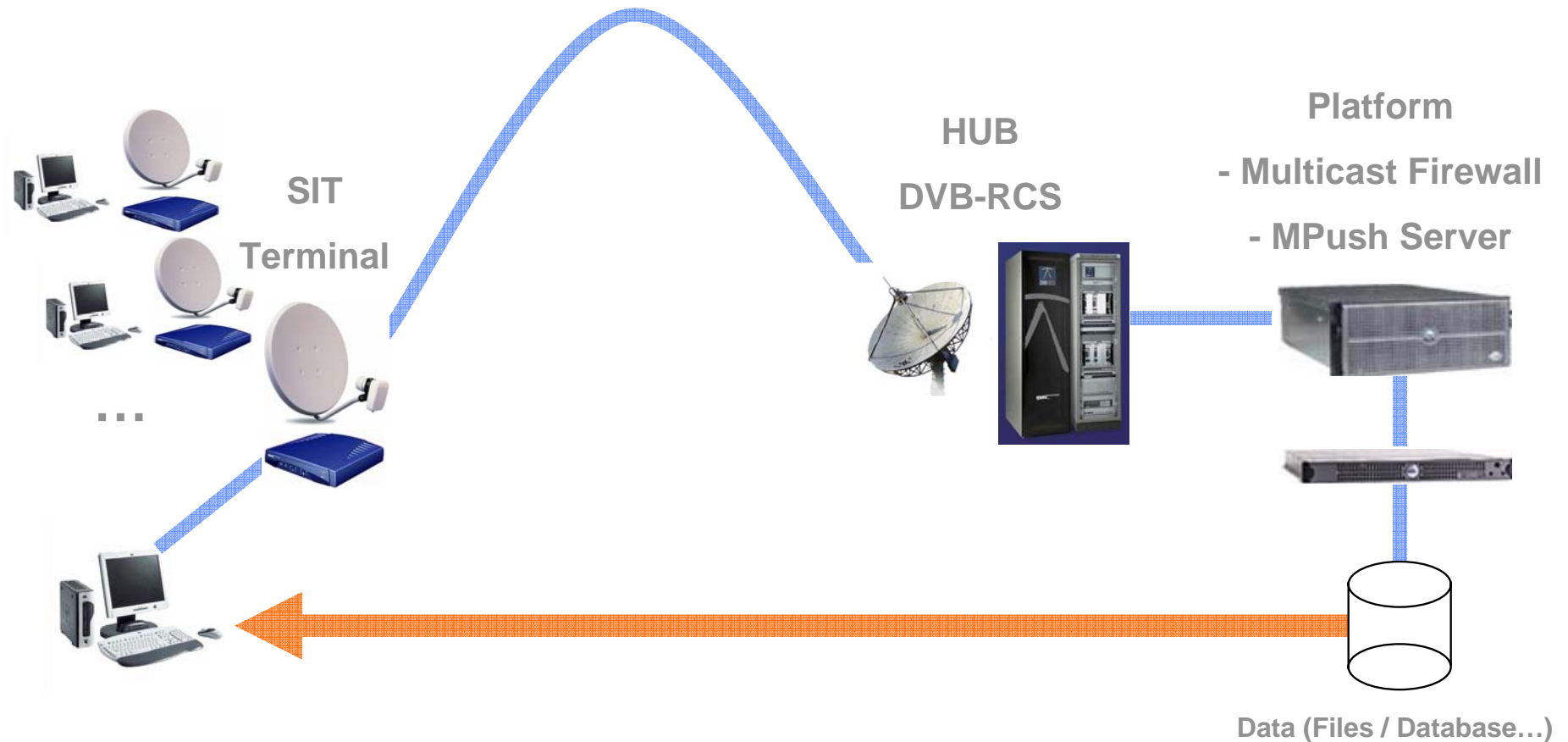
Fast internet - TCP acceleration



> End-user applications:

Internet Web access / Files transfer (FTP) / Portal access...

Multicast file transfer - MPush



> End-user applications:

Huge files transfer (video, db...) / Database or sites mirroring...

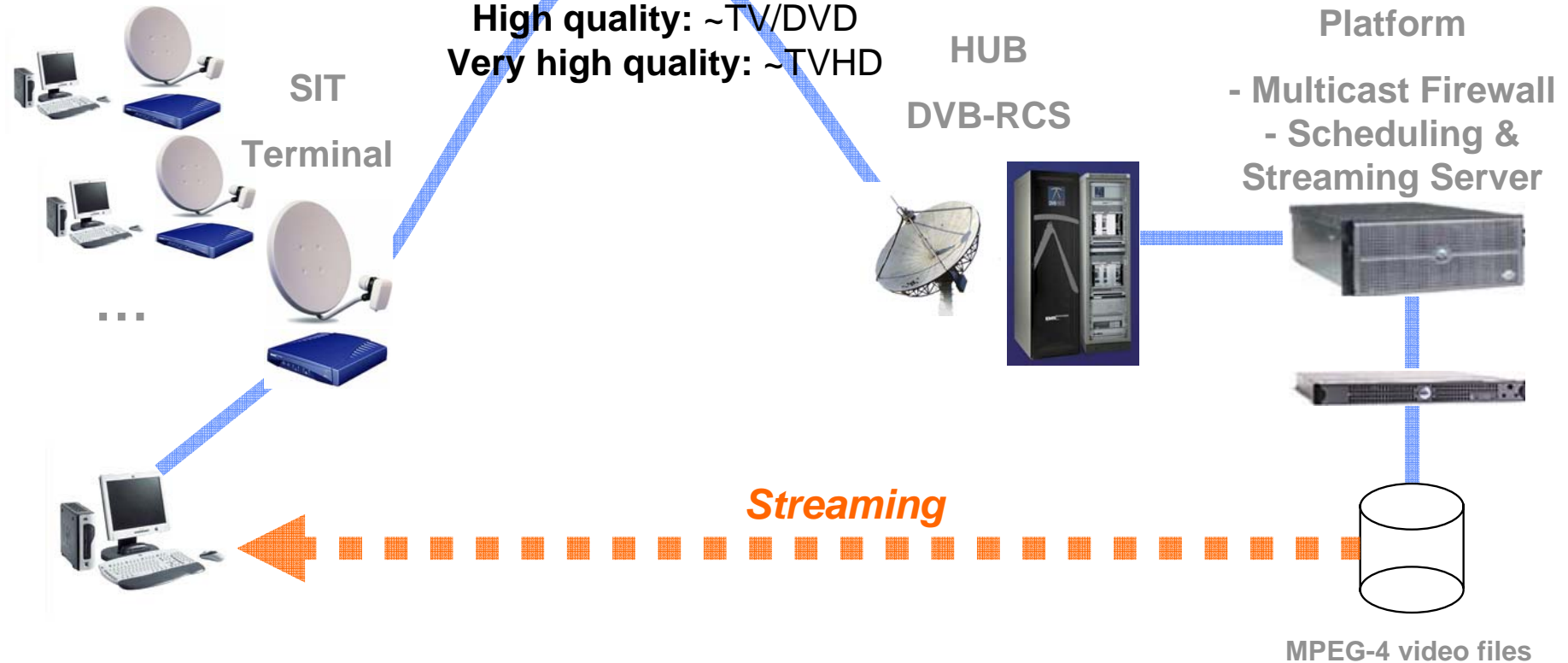
Video Streaming

Low quality: ~Web
Medium quality: ~VHS
High quality: ~TV/DVD
Very high quality: ~TVHD

HUB
DVB-RCS

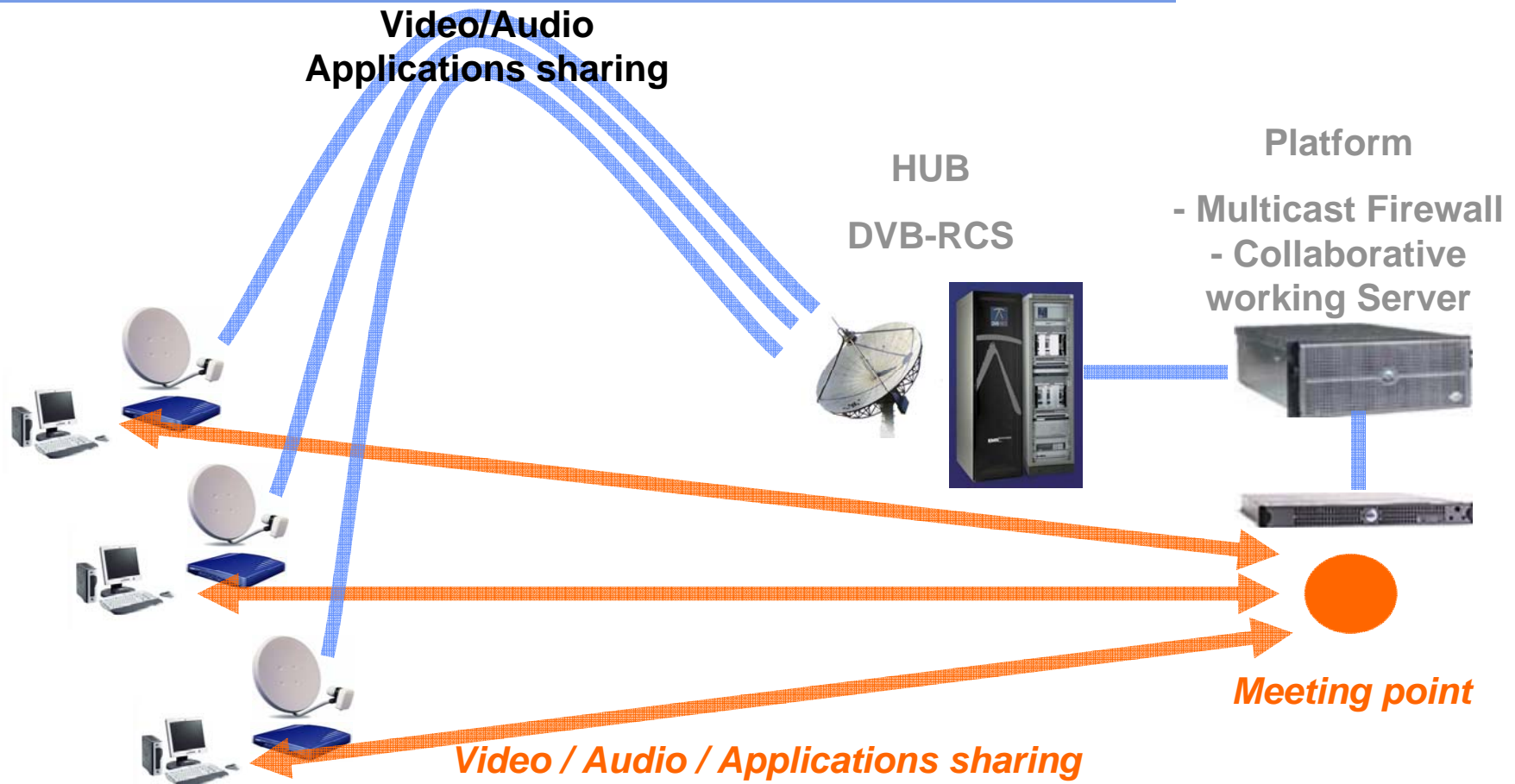
Platform

- Multicast Firewall
- Scheduling & Streaming Server



> End-user applications:

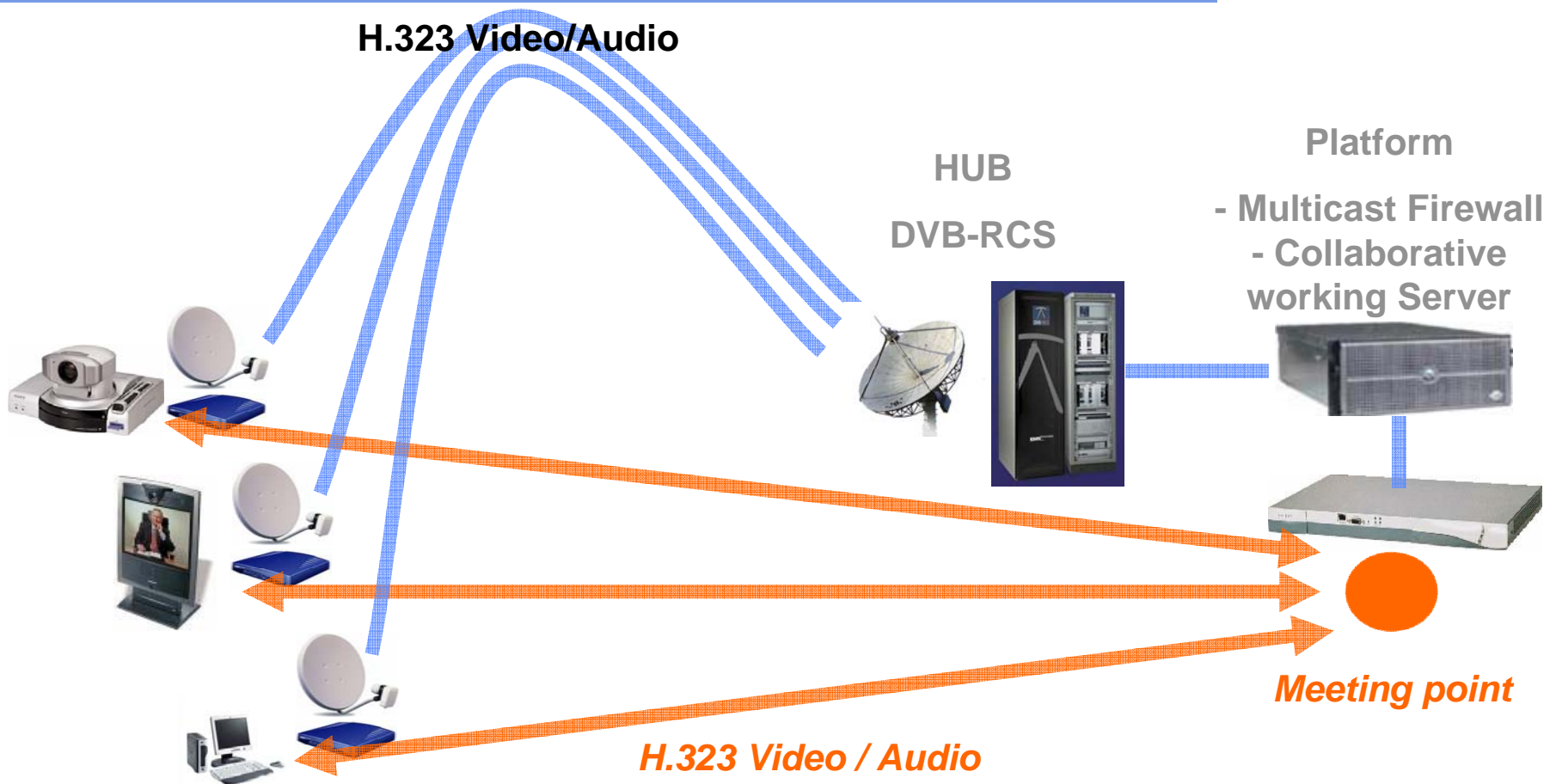
IP TV for NGO, streaming of live event ...



> End-user applications:

Collaborative working session (multiple users unicast or multicast...)

Video conferencing

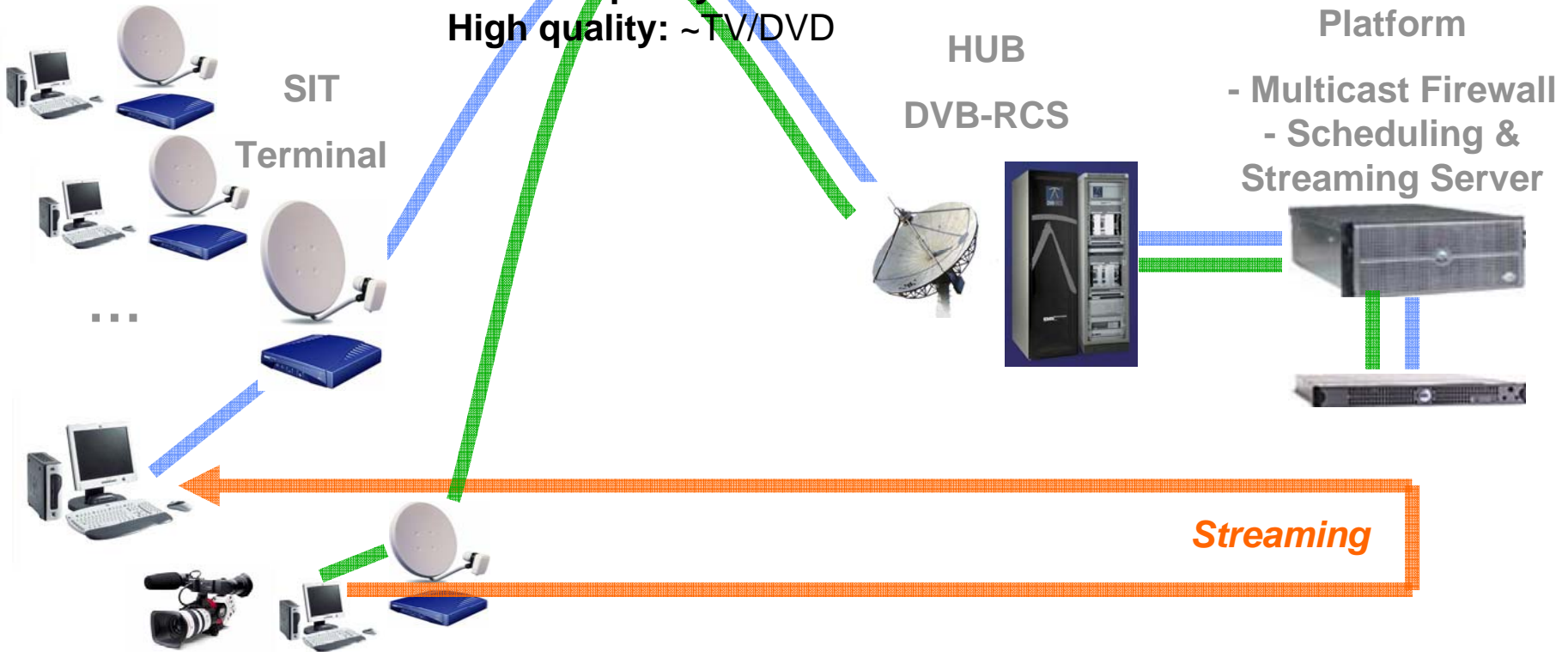


> End-user applications:

Point to point or point to multipoint H.323 conference...

Business TV – Live Video Streaming

Low quality: ~Web
Medium quality: ~VHS
High quality: ~TV/DVD



> End-user applications:

Business TV, High quality MPEG-4 videoconferencing...

Questions / Answers